

AMENDMENTS TO THE CLAIMS

Claim 1. (Previously amended) A fluid flow bolt, comprising:

a shaft having an elongate structure and a head;

a plurality of channels extending into an outer portion of said shaft from a distal end of said shaft having a shaft a depth D1, wherein said channels have a spiral pattern and have a V-shaped cross sectional shape; and

a threading within said shaft having a plurality of threading grooves having a depth D2 and threading ridges;

said depth D1 is greater than said depth D2.

Claim 2. (Previously Deleted)

Claim 3. (Previously Amended) The fluid flow bolt of Claim 1, wherein said V-shaped cross sectional shape has a rounded narrow portion and rounded broad ends.

4. (Original) The fluid flow bolt of Claim 1, wherein said channels are equally spaced apart within said shaft.

5. (Previously Deleted)

6. (Previously Amended) The fluid flow bolt of Claim 1, wherein said plurality of channels are comprised of a first channel, a second channel and a third channel.

7. (Original) The fluid flow bolt of Claim 6, wherein said channels are positioned 120 degrees with respect to one another.

8. (Previously Deleted)

9. (Original) The fluid flow bolt of Claim 1, wherein said channels extend from said distal end of said shaft to near said head.

10. (Original) The fluid flow bolt of Claim 1, wherein said channels extend from said distal end of said shaft completely through said threading and away from said threading a finite distance.

11. (Original) The method of manufacturing a fluid flow bolt of Claim 1, wherein said depth D1 is at least 15 percent greater than said depth D2.

12. (Previously Withdrawn).

13. (Previously Withdrawn).

14. (Previously Withdrawn).

15. (Previously Withdrawn).

16. (Previously Withdrawn).

17. (Previously Withdrawn).

18. (Previously Withdrawn).

19. (Previously Withdrawn).

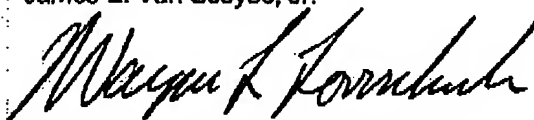
20. (Previously Withdrawn).

21. (Previously Added) A fluid flow bolt, comprising:
a shaft having a an elongate structure and a head;
a plurality of channels extending into an outer portion of said shaft from a distal end of said shaft having a depth D1, wherein said channels have a spiral pattern and have a V-shaped cross sectional shape; and
a threading within said shaft having a plurality of threading grooves having a depth D2 and theading ridges;
wherein said depth D1 is greater than said depth D2;
wherein said V-shaped cross sectional shape has a rounded narrow portion and rounded broad ends;
wherein said channels are equilly spaced apart within said shaft;
wherein said plurality of channels are comprised of a first channel, a second channel and a third channel positioned 120 degrees with respect to one another;
wherein said channels extend from said distal end of said shaft to near said head;
wherein said channels extend from said distal end of said shaft completely through said threading and away from said threading a finite distance;
wherein said depth D1 is at least 15 percent greater than said depth D2.

Applicant respectfully requests the allowance of all Claims pending in the case and that all rejections be withdrawn and that a formal Notice of Allowance be issued in due course.

Respectfully submitted,

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